

1 **What is claimed is:**

- 2 1. A method for winding coils of a D.C. motor, the method
3 comprising:
4 providing a single conducting wire; and
5 winding the single conducting wire around a plurality of
6 pegs in sequence for predetermined turns, thereby forming a
7 stator coil assembly having even coils, a first end, and a second
8 end, each of the coils having a winding direction opposite to that
9 of one said coil adjacent thereto.
- 10 2. The method as claimed in claim 1, wherein the step of winding
11 the single conducting wire comprises winding the single
12 conducting wire around the pegs in the same direction, removing
13 the stator coil assembly having even coils from the pegs, and
14 then turning even-numbered coils of the stator coil assembly
15 through 180 such that a winding direction of the even-numbered
16 coils is opposite to that of odd-numbered coils of the stator coil
17 assembly.
- 18 3. The method as claimed in claim 1, wherein the step of winding
19 the single conducting wire comprises winding the single
20 conducting wire around the pegs in the same direction, removing
21 the stator coil assembly having even coils from the pegs, and
22 then turning odd-numbered coils of the stator coil assembly
23 through 180 such that a winding direction of the odd-numbered
24 coils is opposite to that of even-numbered coils of the stator coil
25 assembly.
- 26 4. A D.C. motor comprising:
27 a casing comprising a chamber, the chamber having a
28 support section in a bottom thereof, an IC control means being
29 mounted on the casing, a stator coil assembly being mounted on

1 the casing and comprising even coils formed by means of
 2 continuously winding a single conducting wire in a manner that
 3 each of the coils has a winding direction opposite to that of one
 4 said coil adjacent thereto; and

5 a rotor comprising a shaft rotatably held in the support
 6 section of the casing, the rotor comprising a permanent magnet
 7 having north and south poles, the rotor being repulsed and thus
 8 driven to turn by magnetic fields created by the coils of the stator
 9 coil assembly on the casing.

10 5. The D.C. motor as claimed in claim 4, wherein the casing
 11 comprises even mounting members provided on a wall defining
 12 the chamber for mounting the coils, respectively.
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